

Title (en)
METHOD OF RECOGNITION BASED ON IRIS RECOGNITION AND ELECTRONIC DEVICE SUPPORTING THE SAME

Title (de)
VERFAHREN ZUR ERKENNUNG AUF BASIS VON IRISERKENNUNG UND ELEKTRONISCHE VORRICHTUNG ZUR UNTERSTÜTZUNG DAVON

Title (fr)
PROCÉDÉ DE RECONNAISSANCE BASÉ SUR LA RECONNAISSANCE DE L'IRIS ET DISPOSITIF ÉLECTRONIQUE LE PRENANT EN CHARGE

Publication
EP 3382600 A1 20181003 (EN)

Application
EP 18164188 A 20180327

Priority
KR 20170038207 A 20170327

Abstract (en)
An iris-based authentication method is provided. The method includes emitting light of an infrared wavelength band and obtaining an image based on the light of the infrared wavelength band, determining whether a specified condition is satisfied, if the specified condition is satisfied, performing user authentication (e.g., complex authentication) based on at least part of a face image and an iris image of the image that a biometric sensor obtains, or, if the specified condition is not satisfied, performing the user authentication (e.g., iris-only authentication) based on the iris image in the image that the biometric sensor obtains.

IPC 8 full level
G06K 9/00 (2006.01)

CPC (source: CN EP KR US)
A61B 5/1176 (2013.01 - US); **G06F 21/32** (2013.01 - CN KR US); **G06F 21/45** (2013.01 - KR); **G06V 40/16** (2022.01 - CN); **G06V 40/18** (2022.01 - CN EP KR US); **G06V 40/19** (2022.01 - US); **G06V 40/197** (2022.01 - US); **G06V 40/70** (2022.01 - EP US); **H04N 5/33** (2013.01 - KR)

Citation (search report)

- [I] US 2016335495 A1 20161117 - KIM DAE HOON [KR], et al
- [A] US 2016364561 A1 20161215 - LEE WONHEE [KR]
- [A] US 2008075334 A1 20080327 - DETERMAN GARY E [US], et al
- [A] OMID SHARIFI ET AL: "Optimal Face-Iris Multimodal Fusion Scheme", SYMMETRY, vol. 8, no. 6, 15 June 2016 (2016-06-15), pages 48, XP055501494, DOI: 10.3390/sym8060048
- [A] BHARADWAJ S ET AL: "Periocular biometrics: When iris recognition fails", BIOMETRICS: THEORY APPLICATIONS AND SYSTEMS (BTAS), 2010 FOURTH IEEE INTERNATIONAL CONFERENCE ON, IEEE, PISCATAWAY, NJ, USA, 27 September 2010 (2010-09-27), pages 1 - 6, XP031800522, ISBN: 978-1-4244-7581-0

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3382600 A1 20181003; CN 108664783 A 20181016; CN 108664783 B 20231010; KR 102329765 B1 20211123; KR 20180109109 A 20181008; US 10860850 B2 20201208; US 2018276465 A1 20180927

DOCDB simple family (application)
EP 18164188 A 20180327; CN 201810261788 A 20180327; KR 20170038207 A 20170327; US 201815895582 A 20180213